

THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : ChangSheng Liu et al. Art Unit : Unknown
Serial No. : 09/757,632 ✓ Examiner : Unknown
Filed : January 11, 2001
Title : METHOD FOR CONDUCTING CAPILLARY ZONE ELECTROPHORESIS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REVOCATION AND NEW POWER OF ATTORNEY

Under 37 CFR §3.73(b) SPECTRUMEDIX LLC, certifies that it is the assignee of 100% of the right, title and interest in the patent application identified above by virtue of:

☒ A chain of title from the inventors of the patent application identified above, to the current assignee as shown below. Copies of the assignments or other documents in the chain of title are attached.

1. From the inventors to SpectruMedix Corporation recorded in the Patent and Trademark Office at Reel 011779, Frame 0898 on May 7, 2001.
2. From SpectruMedix Corporation to SpectruMedix LLC recorded in the Patent and Trademark Office at Reel 013663, Frame 0939 on January 15, 2003.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned, whose title is supplied below, is empowered to act on behalf of the assignee.

The undersigned, acting on behalf of the assignee, hereby revokes all powers of attorney previously granted in the application and appoints:

Julius Fister III
Reg. No. 46,702
FISH & RICHARDSON P.C.
1425 K Street, N.W.
11th Floor
Washington, DC 20005-3500

Applicant : ChangSheng Liu et al.
Serial No. : 09/757,632
Filed : January 11, 2001
Page : 2 of 2

Attorney's Docket No.: 16969-020001

with full power of substitution and revocation, to prosecute the application and to transact all business in the United States Patent and Trademark Office connected therewith.

All correspondence regarding the application should be sent to:

PTO Customer Number: 26171

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Respectfully submitted,

Date: 3/24/04


THOMAS KANE
Vice President and Chief Technical Officer

Title: V.P. C.T.O.

Fish & Richardson P.C.
1425 K Street, N.W.
11th Floor
Washington, DC 20005-3500
Telephone: (202) 783-5070
Facsimile: (202) 783-2331

9046-037

MAY 21, 2003

PTAS

Under Secretary of Commerce For Intellectual Property and
Director of the United States Patent and Trademark Office
Washington, DC 20231
www.uspto.gov

PENNIE & EDMONDS LLP
B. GARY ZHANG
1667 K STREET, N.W.
WASHINGTON, D.C. 20006



102343717A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/15/2003

REEL/FRAME: 013663/0939
NUMBER OF PAGES: 9

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

SPECTRUMEDIX CORPORATION

DOC DATE: 04/08/2002

ASSIGNEE:

SPECTRUMEDIX, LLC
2124 OLD GATESBURG ROAD
STATE COLLEGE, PENNSYLVANIA 16803

SERIAL NUMBER: 09413355
PATENT NUMBER:

FILING DATE: 10/06/1999
ISSUE DATE:

SERIAL NUMBER: 09577479
PATENT NUMBER: 6547943

FILING DATE: 05/25/2000
ISSUE DATE: 04/15/2003

SERIAL NUMBER: 09676526
PATENT NUMBER:

FILING DATE: 10/02/2000
ISSUE DATE:

SERIAL NUMBER: 09757632
PATENT NUMBER:

FILING DATE: 01/11/2001
ISSUE DATE:

RECEIVED TO JCF
RECEIVED PERC

MAY 27 2003

O.K. for filing

SERIAL NUMBER: 09843918
PATENT NUMBER:

FILING DATE: 04/30/2001
ISSUE DATE:

SERIAL NUMBER: 09849239
PATENT NUMBER:

FILING DATE: 05/07/2001
ISSUE DATE:

SERIAL NUMBER: 09874331
PATENT NUMBER:

FILING DATE: 06/06/2001
ISSUE DATE:

SERIAL NUMBER: 10011977
PATENT NUMBER:

FILING DATE: 12/11/2001
ISSUE DATE:

SERIAL NUMBER: 60329739
PATENT NUMBER:

FILING DATE: 10/18/2001
ISSUE DATE:

SERIAL NUMBER: 08726877
PATENT NUMBER: 5885430

FILING DATE: 10/04/1996
ISSUE DATE: 03/23/1999

SERIAL NUMBER: 09110877
PATENT NUMBER: 5916428

FILING DATE: 07/07/1998
ISSUE DATE: 06/29/1999

SERIAL NUMBER: 09084236
PATENT NUMBER: 5998796

FILING DATE: 05/26/1998
ISSUE DATE: 12/07/1999

SERIAL NUMBER: 09105988
PATENT NUMBER: 6027627

FILING DATE: 06/29/1998
ISSUE DATE: 02/22/2000

SERIAL NUMBER: 08866308
PATENT NUMBER: 6063251

FILING DATE: 05/30/1997
ISSUE DATE: 05/16/2000

SERIAL NUMBER: 09449418
PATENT NUMBER: 6118127

FILING DATE: 11/29/1999
ISSUE DATE: 09/12/2000

SERIAL NUMBER: 09176106
PATENT NUMBER: 6217731

FILING DATE: 10/21/1998
ISSUE DATE: 04/17/2001

SERIAL NUMBER: 09376076
PATENT NUMBER: 6241949

FILING DATE: 08/17/1999
ISSUE DATE: 06/05/2001

SERIAL NUMBER: 09388125
PATENT NUMBER: 6352633

FILING DATE: 08/31/1999
ISSUE DATE: 03/05/2002

SERIAL NUMBER: 09379593
PATENT NUMBER: 6364516

FILING DATE: 08/24/1999
ISSUE DATE: 04/02/2002

SERIAL NUMBER: 09372151
PATENT NUMBER: 6365024

FILING DATE: 08/11/1999
ISSUE DATE: 04/02/2002

SERIAL NUMBER: 09373909
PATENT NUMBER: 6375819

FILING DATE: 08/13/1999
ISSUE DATE: 04/23/2002

ANTIONE ROYALL, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



01-22-2003

RE



102343717

Attorney Docket Number
9046-002

Box Assignment
TO THE HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, DC 20231

Please record the attached original documents or copy thereof.

1-15-03

1. Name of conveying party(ies):

SpectruMedix Corporation

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: April 8, 2002

2. Name and address of receiving party(ies):

Name: SpectruMedix LLC

Address: 2124 Old Gatesburg Road

State College, PA 16803

Country (if other than USA):

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application Nos. See Attachment A

B. Patent Nos. See Attachment B

Additional numbers attached? ☒ Yes ☐ No

09413355

5. Name and address of party to whom correspondence concerning document should be mailed:

PENNIE & EDMONDS LLP
1667 K Street, N.W.
Washington, D.C. 20006

6. Number of applications and patents involved: 21

7. Total fee (37 CFR 3.41): \$ 840.00
Please charge to the deposit account listed in Section 8.8. Deposit account number:
16-1150

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

B. Gary Zhang

47,331

For Victor N. Balancia

31,231

Name of Person Signing

Reg. No.

Signature

January 15, 2003

Date

Total number of pages including cover sheet:

9

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignment
Washington, D.C. 20231

01/21/2003 6TON11 00000141 161150 09413355

01 FC:8021

840.00 CH

Attachment A

Application No.

09/413,355

09/577,479

09/676,526

09/757,632

09/843,918

09/849,239

09/874,331

10/011,977

60/329,739

Attachment B

U.S. Patent No.

5,885,430

5,916,428

5,998,796

6,027,627

6,063,251

6,118,127

6,217,731

6,241,949

6,352,633

6,364,516

6,365,024

6,375,819

ASSIGNMENT OF PATENT RIGHTS

THIS ASSIGNMENT is made as of this 29th day of March, 2002, by SpectruMedix Corporation, a Delaware corporation ("Assignor") in favor of SpectruMedix LLC, a Delaware limited liability company ("Assignee").

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor does hereby sell, transfer, and assign to Assignee, its successors, assigns and legal representatives, all of the rights, title and interests in and to the patents and patent applications listed on Schedule A, attached hereto, including without limitation, all patents which may be granted on any of the aforesaid patent applications, the worldwide rights to the inventions described and claimed therein, and reissues, re-examinations, divisions, continuations, renewals, extensions and continuations-in-part therefor throughout the world, together with all rights under the International Convention for the Protection of Industrial Property and any similar treaties or agreements, the same to be held and enjoyed by Assignee for its own use and benefit and the use and benefit of its successors, assigns and legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignor had this Assignment not been made, together with all income, royalties, damages and payments resulting from or attributable to activity or conduct after the effective date of this Assignment, and the right to sue and collect for all future, present and past infringements thereof, together with all causes of action for any and all infringements which may have occurred prior to the execution of this Assignment and the right to receive and retain the proceeds relating to those infringements. Assignee shall have the right to obtain and hold in its name all patents, registrations and similar protection throughout the world which may be available in the patents and patent applications.

Assignor agrees: (a) to execute (i) all necessary papers throughout the world to be used in connection with the patents and patent applications and any reissues, re-examinations, divisions, continuations, renewals, extensions and continuations-in-part therefor, as Assignee may deem necessary or expedient, (ii) all papers in connection with any interference, legal or other proceedings throughout the world to maintain, protect or enforce, or otherwise relating to, the patents and patent applications or any reissues, divisions, continuations, renewals, extensions and continuations-in-part therefor, and (iii) all papers and documents which may be necessary throughout the world in connection with the preparation and filing of any foreign applications or with making claims to priority rights granted under the provisions of the International Convention for Protection of Industrial Property or similar agreements; (b) to cooperate with Assignee in every way reasonably possible in obtaining evidence and going forward in any such proceedings throughout the world; and (c) to perform all other affirmative acts which in Assignee's reasonable discretion may be necessary or desirable throughout the world to maintain, protect or enforce the patents and patent applications and any reissues, divisions, continuations, renewals, extensions and continuations-in-part therefor.

This Assignment includes the right, where such right can be legally exercised by Assignee, in its own name, to apply for and obtain patents in countries foreign to the United

States of America, including the full right to claim for any such applications the benefits of the International Convention for Protection of Industrial Property or similar agreements, as fully and entirely as Assignor could have done if the applications had been filed in its name, and the entire interest in any patents which may be granted on any such applications in such foreign countries.

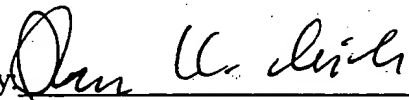
Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States, and the appropriate officials in any other country, to issue any and all letters patent of the United States of America that may be granted upon any patent application or any reissues, divisions, continuations, renewals, extensions and continuations-in-part therefor covered by this Assignment to Assignee, its successors and assigns.

Assignor hereby covenants and warrants that no other agreement has been or will be executed in conflict herewith.

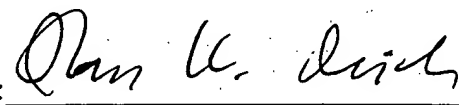
Assignor hereby grants to both Assignee and the law firm of Hahn & Hessen LLP of New York, New York (and any other law firm designated by Hahn & Hessen LLP), authority and power to insert on this instrument any further information which may be necessary or desirable for identifying any of the patents and patent applications for purposes of recordation in the United States Patent and Trademark Office or any similar or comparable office or officials of any foreign country.

IN WITNESS WHEREOF this Assignment has been duly executed by an authorized officer of Assignor and is effective as of the date first above written.

SPECTRUMEDIX CORPORATION

By: 
Name: Ilan Reich
Title: President

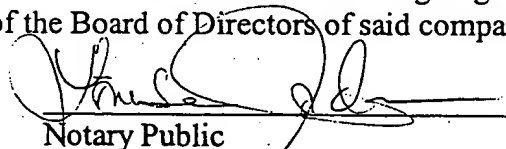
SPECTRUMEDIX LLC

By: 
Name: Ilan Reich
Title: Manager

State of New York)
)ss.:
County of New York)

On the 24 day of April in the year 2002, before me, the undersigned, a Notary Public in and for said State, personally appeared Ilan Reich, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within Agreement and acknowledged to me that he is the President of SPECTRUMEDIX CORPORATION, the company described in and which executed the foregoing instrument, and that he signed his name thereto by order of the Board of Directors of said company.

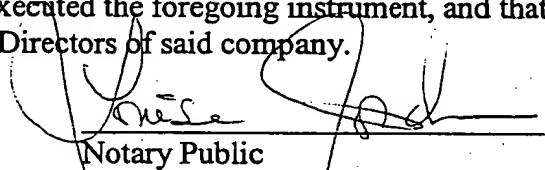
LOUISE JORDAN
Notary Public, State of New York
No. 01JO5083725
Qualified in Westchester County
Certificate Filed in New York County
Commission Expires August 18, 2005


Notary Public

State of New York)
)ss.:
County of New York)

On the 24 day of April in the year 2002, before me, the undersigned, a Notary Public in and for said State, personally appeared Ilan Reich, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within Agreement and acknowledged to me that he is the Manager of SPECTRUMEDIX LLC, the company described in and which executed the foregoing instrument, and that he signed his name thereto by order of the Board of Directors of said company.

LOUISE JORDAN
Notary Public, State of New York
No. 01JO5083725
Qualified in Westchester County
Certificate Filed in New York County
Commission Expires August 18, 2005


Notary Public

Schedule A

Issued United States Patents

Reference No.	U.S. Patent No.	Filing Date	Issue Date
9046-003-999	5,885,430	October 4, 1996	March 23, 1999
9046-007-999	6,063,251	May 30, 1997	May 16, 2000
9046-009-999	6,027,627	June 29, 1998	February 22, 2000
9046-012-999	5,998,796	May 26, 1998	December 7, 1999
9046-015-999	5,916,428	June 7, 1998	June 29, 1999
9046-024-999	6,217,731	October 21, 1998	April 17, 2001
9046-027-999	6,352,633	August 31, 1999	March 5, 2002
9046-028-999	6,365,024	August 11, 1999	April 2, 2002
9046-030-999	6,241,949	August 17, 1999	June 5, 2001
9046-031-999	6,364,516	August 24, 1999	April 2, 2002
9046-033-999	6,118,127	November 29, 1999	September 12, 2000

Pending United States Patent Applications

Reference No.	U.S. Application No.	Filing Date
9046-022-999	09/843,918	April 30, 2001
9046-029-999	09/373,909	August 13, 1999
9046-032-999	09/413,355	October 6, 1999
9046-034-999	09/676,526	October 2, 2000
9046-035-999	09/577,479	May 25, 2000
9046-037-999	09/757,632	January 11, 2001
9046-044-999	09/874,331	June 6, 2001
9046-050-999	09/849,239	May 7, 2001
9046-053-888	60/329,739	October 18, 2001
9046-054-999	10/011,977	December 11, 2001

Pending and Completed Patent Cooperation Treaty Applications

Reference No.	PCT Application No.	Filing Date	Priority Date
9046-007-228	US97/17792	October 3, 1997	October 4, 1996
9046-009-228	US98/13667	June 30, 1998	June 30, 1997
9046-012-228	US98/27259	December 22, 1998	December 22, 1997
9046-022-228	US00/00793	January 12, 2000	January 12, 1999
9046-024-228	US99/24657	October 21, 1999	October 21, 1998
9046-027-228	US00/23709	August 29, 2000	August 31, 1999
9046-030-228	US00/22460	August 16, 2000	August 17, 1999
9046-032-228	US00/26554	September 25, 2000	October 6, 1999
9046-034-228	US01/28281	September 10, 2001	September 11, 2000
9046-035-228	US01/16769	May 23, 2001	May 25, 2000
9046-036-228	US01/08527	March 15, 2001	March 16, 2000
9046-041-228	US01/08526	March 15, 2001	March 17, 2000
9046-042-228	US01/13336	April 25, 2001	April 25, 2000
9046-045-228	US01/23051	July 23, 2001	July 21, 2000
9046-046-228	US01/27440	September 4, 2001	September 1, 2000
9046-047-228	US01/31665	October 10, 2001	October 11, 2000

Pending Foreign Applications

Reference No.	Application No.	Filing Date (of PCT)
9046-007-227	97945453.5 (EP)	October 3, 1997
9046-009-001	2,295,227 (CA)	June 30, 1998
9046-009-012	12-500540 (JP)	June 30, 1998
9046-009-227	98933038.6 (EP)	June 30, 1998
9046-012-001	2,315,812 (CA)	December 22, 1998
9046-012-012	12-525746 (JP)	December 22, 1998
9046-012-227	98964854.8 (EP)	December 22, 1998
9046-022-001	2,358,480 (CA)	January 12, 2000
9046-022-012	12-593946 (JP)	January 12, 2000
9046-022-227	00904319.1 (EP)	January 12, 2000
9046-024-001	2,347,961 (CA)	October 21, 1999
9046-024-012	12-577485 (JP)	October 21, 1999
9046-024-227	99955109.6 (EP)	October 21, 1999
9046-027-001	App. No. not yet received CA national stage of PCT/US00/23709	August 29, 2000
9046-027-012	12-520093 (JP)	August 29, 2000
9046-027-227	00959564.6 (EP)	August 29, 2000
9046-034-001	App. No. not yet received CA national stage of PCT/US01/28281	September 10, 2001
9046-034-012	App. No. not yet received JP national stage of PCT/US01/28281	September 10, 2001
9046-034-227	App. No. not yet received EP national stage of PCT/US01/28281	September 10, 2001



**UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office**

ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APRIL 06, 2001

PTAS

PENNIE & EDMONDS LLP
NANDA K. ALAPATI
1667 K STREET, N.W.
WASHINGTON, D.C. 20006



101598701A

**UNITED STATES PATENT AND TRADEMARK OFFICE
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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/11/2001

REEL/FRAME: 011459/0277
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

LIU, CHANGSHENG

DOC DATE: 01/09/2001

ASSIGNOR:

LEVAN, KEVIN J.

DOC DATE: 01/09/2001

ASSIGNEE:

SPECTRUMEDIX CORPORATION
2124 OLD GATESBURG ROAD
STATE COLLEGE, PENNSYLVANIA 16803

SERIAL NUMBER: 09757632

FILING DATE: 01/11/2001

PATENT NUMBER:

ISSUE DATE:

A/K/A

PAULA MCCRAY, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

APR 10 2001

01-30-2001

Attorney Docket Number
9046-037

101598701

TO THE HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS
Box Assignment
Washington, DC 20231

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

ChangSheng Liu and Kevin J. Levan

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: SpectruMedix Corporation

Address: 2124 Old Gatesburg Road
State College, PA 16803

Country (if other than USA):

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____Execution Date: January 9, 2001

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: January 9, 2001

A. Patent Application No.(s) _____

B. Patent No.(s) _____

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

PENNIE & EDMONDS LLP
1667 K Street, N.W.
Washington, D.C. 200066. Number of applications and patents involved: one7. Total fee (37 CFR 3.41):.....\$ 40.00
Please charge to the deposit account listed in Section 8.8. Deposit account number:
16-1150

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Nanda K. Alapati

Reg. No. 39,839

For: Allan A. Fanucci
Name of Person Signing

Reg. No. 30,256

Signature

January 11, 2001

Date

Total number of pages including cover sheet:

3

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignment
Washington, D.C. 20231

01/29/2001 GTON11 00000087 161150 09757632

01 FC:581 40.00 CH

ASSIGNMENT

WHEREAS, WE,

ChangSheng LIU, citizen of the P. R. of China, residing at 697 Tanager Drive, State College, PA 16801 and
Kevin J. LEVAN, citizen of the United States, residing at and 1400 Martin Street, Apt. 3022, State College, PA 16803

ASSIGNORS, are the inventors of the invention in:

METHOD FOR CONDUCTING CAPILLARY ZONE ELECTROPHORESIS

for which we have executed an application for a Patent of the United States

- ☐ which is executed on ☐ even date herewith or ☐ _____
☒ which is identified by Pennie & Edmonds LLP docket no. 9046-037
☐ which was filed on , Application No.

and WHEREAS, SpectruMedix Corporation, 2124 Old Gatesburg Road, State College, PA 16803, ASSIGNEE is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date Jan. 9, 2001, 2001 ChangSheng LIU L.S.

State of PA }
County of Centre } SS.:

On 1/9/, 2001, before me, Samuel B. Wasson, Notary Public, personally appeared ChangSheng Liu, personally known to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

